

This document must be retained for future reference.

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'. Factors such as correct selection of components, cable sizing, protective devices and Earth bonding are all critical and should be checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to.

All connections (including factory made) must be checked for the correct tightness prior to commissioning of the electrical installation. All connections should also be inspected periodically to ensure correct tightness.

DO NOT USE POWER TOOLS ON THESE PRODUCTS



ECDD2T|Double delay time relay

Applications

- For gradual switching of heavy powers (e.g. el.heating), prevents inrush currents.

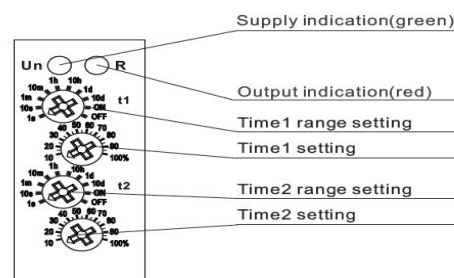
Function Features

- 2x Delay ON (2 time relays in one)
- Time scale 0.1s - 10 days divided into 10 time ranges:
0.1s - 1s / 1s - 10s / 0.1min - 1min / 1min - 10min / 0.1h - 1h / 1h - 10hrs / 0.1 day - 1 day / 1day - 10 days / ON / OFF.
- Times t1 and t2 are independantly adjustable
- t1 and t2 are switched on after supply voltage connection
- Relay status id indicated by LED.
- 1-MODULE,DIN rail mounting

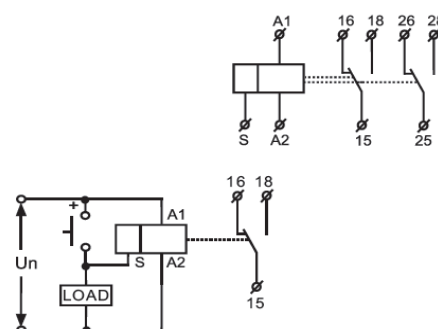


| Technical parameters | ECDD2T |
|------------------------------------|--|
| Function | 2x Delay ON |
| Supply terminals | A1-A2 |
| Voltage Range | AC/DC 12-240V(50-60Hz) |
| Burden | AC 0.7-3VA/DC 0.5-1.7W |
| Voltage Range | AC 230V (50-60Hz) |
| Power Input | AC max. 12VA/1.9W |
| Supply voltage tolerance | -15%; +10% |
| Supply indication | green LED |
| Time ranges | 0.1s-10days,ON,OFF |
| Time setting | potentionmeter |
| Time deviation | 5%- mechanical setting |
| Repeat accuracy | 0.2%-set value stability |
| Temperature coecient | 0.05%/°C,at=20°C(0.05°F , at=68°F) |
| Output | 2XSPDT |
| Current rating | 16A/AC1 |
| Switching voltage | 250VAC/24VDC |
| Min.breaking capacity DC | 500mW |
| Output indication | red LED |
| Mechanical life | 1 x 10 ⁷ |
| Electrical life (AC1) | 1 x 10 ⁶ |
| Reset time | max.200ms |
| Operating temperature | -20°C to +55°C-4°F to 131°F |
| Storage temperature | -35°C to +75°C-22°F to 158°F |
| Mounting/DIN rail | Din rail EN/IEC 607 15 |
| Protection degree | IP40 for front panel/IP20 terminals |
| Operating position | any |
| Over voltage category | ///. |
| Pollution degree | 2 |
| Max, cable size (mm ²) | solid wire max.1x2. 5or 2 x 1.5/ with sleeve max. 1x2.5 (AWG 12) |
| Dimensions | 90 x 18 x 64mm |
| Weight | W240-82g.A230-82g |
| Standards | IEC/EN 61812-1,IEC/EN61010-1 |

Panel Diagram



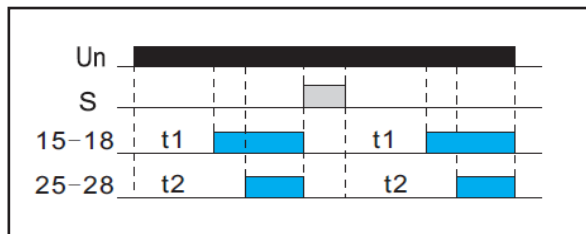
Wiring Diagram



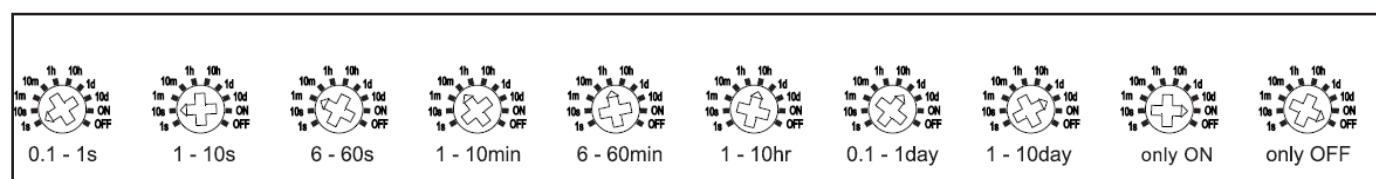
It is possible to connect load between S-A2 (e.g contactor , control of flight or any other device, without disturbing a correct function of relay (load is energized while the switch is ON.)

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Functions Diagram



Time Range



Dimensions (mm)

